

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Juan, Puerto Rico

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

September

2012

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Althea Austin-Smith,
Service Hydrologist

DATE

10/12/2012

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

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An X inside this box indicates that no flooding occurred within this hydrologic service area.

Summary: The San Juan ASOS reported 2.13 inches of rain for the month of September; 3.64 inches less than the normal of 5.77 inches. The ASOS rainfall report from Cyril E. King Airport in St. Thomas was 0.92 inches for the month of September; 4.66 inches less than the normal of 5.58 inches.

"A generally fair and mainly dry weather pattern prevailed across Puerto Rico and US Virgin Islands with limited afternoon convection focused across western Puerto Rico each day. Brief periods of passing showers and thunderstorms were noted a few times, and were associated with the passage of weak easterly disturbances. However, rainfall accumulations associated with the aforementioned disturbances were marginal, and there is a lack of rainfall across portions of Eastern Puerto Rico as well as Saint Thomas. Overall, for the San Juan Metro Area, September 2012 can be described as a dry and hot month."

"Please see (<http://www.srh.noaa.gov/sju/?n=sep2012cr>) for September's Climate Report.

September was one for the record books, as temperatures were high and rainfall was low. River flows were mainly abnormally low with only one location recording a river level above flood stage during the entire month of September. In San Juan, September 2012 ended as the sixth driest September on record with 2.13 inches and the warmest September (average temp) on record. For the U.S. Virgin Islands; In Saint Thomas, September 2012 was the driest September on record with 0.92 inches and in Saint Croix, the high temperature on September 16th of 92°F, tied for the highest temperature on record for that date. Hot and dry was the norm for September across the region.

Unfortunately, even with the dry conditions there were a few days where the region experienced some convective afternoons which resulted in pockets of localized, heavy rainfall. One such event led to the death of two young men in Guayanilla, Puerto Rico.

Local Storm Reports for September 2012

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..TIME...   ...EVENT...   ...CITY LOCATION...
...LAT.LON...
..DATE...   ....MAG....   ..COUNTY LOCATION..ST... ..SOURCE....
      ..REMARKS..

0450 PM      HEAVY RAIN      GUAYANILLA      18.02N 66.79W
09/15/2012   U0.00 INCH      GUAYANILLA      PR      EMERGENCY MNGR

      *** 2 FATAL *** TWO YOUNG MEN WERE SWEEPED AWAY BY A SHARP
      RISE IN THE GUAYANILLA RIVER IN BARRIO JAGUAPASTO. THE
      TWO YOUNG MEN BOTH UNDER 20 YEARS OLD WERE FOUND LATER
      DEAD.
  
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The approximate amounts of Hydrologic Products issued during the month of September are as follows:

Non-Routine Hydrologic Products Issued:	Approximate number of Products for the month
Hydrologic Outlooks (SJUESFSJU)	0
Flood Watches (SJUFFASJU)	0
Flood Warnings (SJUFLWSJU)	0
Flash Flood Warnings (SJUFFWSJU)	1
Flash Flood Statements (SJUFFSSJU)	3
Urban/Small Stream Flood Advisories (SJUFLSSJU)	60

For monthly “radar totals” use the archive of the Advanced Hydrologic Prediction Service (AHPS) - click on the Precipitation interface for San Juan, Puerto Rico and request the duration you would like to view...daily or monthly remembering that the 24 hour totals are from 12z – 12z (8am to 8am in PR) - [AHPS archive of radar totals/ images](#). Here are the [September 2012 totals](#).